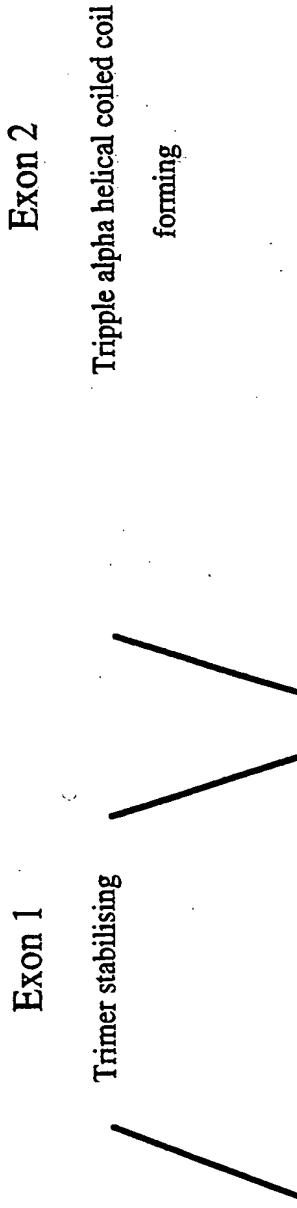


1/21



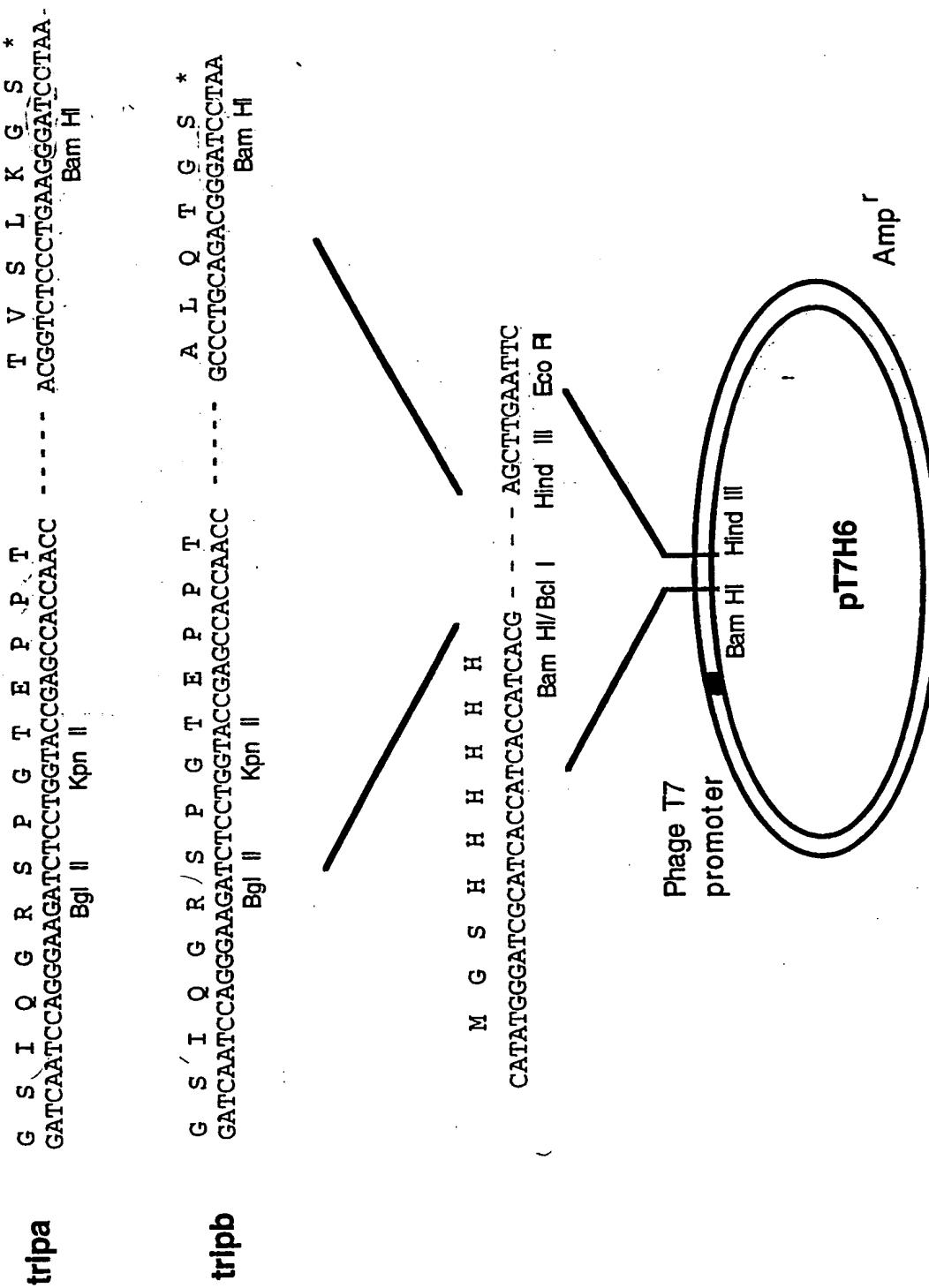
E1P2P T Q K P K K I V N A K K D16 V17V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V C L51

Fig. 1

2/21

Position	d	e	f	g	a	b	c	d	e	f	g	a	b	c	d	e	f	g	a
Human tetranectin	V	V	N	T	K	M	F	E	E	L	K	S	R	L	D	T	L	A	Q
Murine tetranectin	L	V	S	S	K	M	F	E	E	L	K	N	R	M	D	V	L	A	Q
Bovine cart. protein	R	R	V	K	E	K	D	G	D	L	K	T	Q	V	E	K	L	W	R
Shark cart. protein	S	K	S	G	K	G	K	D	D	L	R	N	E	I	D	K	L	W	R
Consensus	L	hy	L	EV															V

Fig. 2



3
四

4/21

H6FXtripA fusion protein

1	M G S H H H H H G S I Q G R S P G T E P P T Q K P K K I V	30
31	N A K K D V V V N T K M F E E L K S R L D T L A Q E V A L L K	60
61	E Q Q A L Q T V S L K G S *	73

H6FXtripB fusion protein

1	M G S H H H H H G S I Q G R S P G T E P P T Q K P K K I V	30
31	N A K K D V V V N T K M F E E L K S R L D T L A Q E V A L L K	60
61	E Q Q A L Q T G S *	69

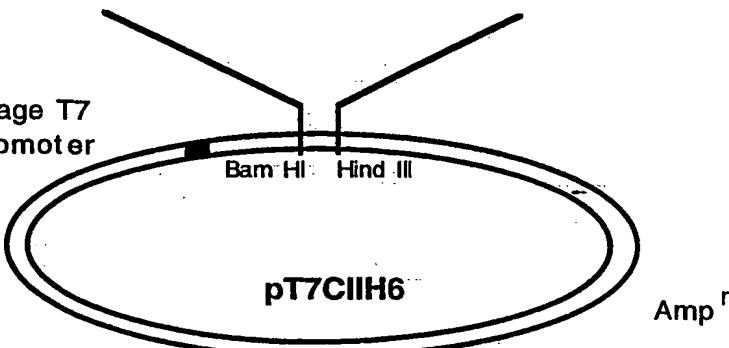
Fig. 4

5/21

TN123

G S I E G R G E P I V *
 GATCCATCGAGGGTAGGGCGAGCCA --- ATCGTGTAA

M V R A- **CII** - E G G S H H H H H H H H
 CATATGGTTCGTGCA \-----GAAGGGGGATCGCATCACCATCACG --- AGCTTGAATTTC
 Bam HI Hind III Eco RI

Phage T7
promoter

TN123

G S I E G R G E P I V *
 GATCCATCGAGGGTAGGGCGAGCCA --- ATCGTGTAA

M G S H H H H H H H
 CATATGGGATCGCATCACCATCACG --- AGCTTGAATTTC
 Bam HI Hind III Eco RI

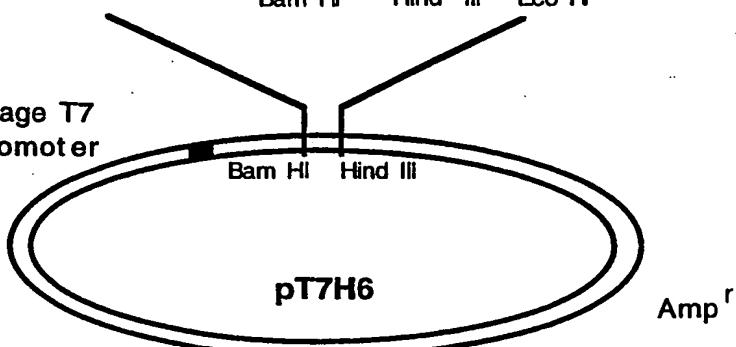
Phage T7
promoter

Fig. 5

6/21

CIIH6FXTN123 fusion protein

1	M V R A N K R N E A L R I E S A L L N K I A M L G T E K T A	30
31	E G G S H H H H H G S I E G R G E P P T Q K P K K I V N A	60
61	K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q	90
91	Q A L Q T V C L K G T K V H M K C F L A F T Q T K T F H E A	120
121	S E D C I S R G G T L S T P Q T G S E N D A L Y E Y L R Q S	150
151	V G N E A E I W L G L N D M A A E G T W V D M T G A R I A Y	180
181	K N W E T E I T A Q P D G G K T E N C A V L S G A A N G K W	210
211	F D K R C R D Q L P Y I C Q F G I V *	228

H6FXTN123 fusion protein

1	M G S H H H H H G S I E G R G E P P T Q K P K K I V N A K	30
31	K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q	60
61	A L Q T V C L K G T K V H M K C F L A F T Q T K T F H E A S	90
91	E D C I S R G G T L S T P Q T G S E N D A L Y E Y L R Q S V	120
121	G N E A E I W L G L N D M A A E G T W V D M T G A R I A Y K	150
151	N W E T E I T A Q P D G G K T E N C A V L S G A A N G K W F	180
181	D K R C R D Q L P Y I C Q F G I V *	197

Fig. 6

7/21

TN12 G S I E G R G E P P Q T V *
 GATCCATCGAGGGTAGGGCGAGCCACCA ---- CAGACGGTCTA

TN23 G S I Q G R V V N T G I V *
 GATCCATCCAGGGTAGGGTTGTGAACACA ---- GGGATCGTGT

TN3 G S I E G R A L Q G I V *
 GATCCATCGAGGGTAGGGCCCTGCAG ---- GGGATCGTGT

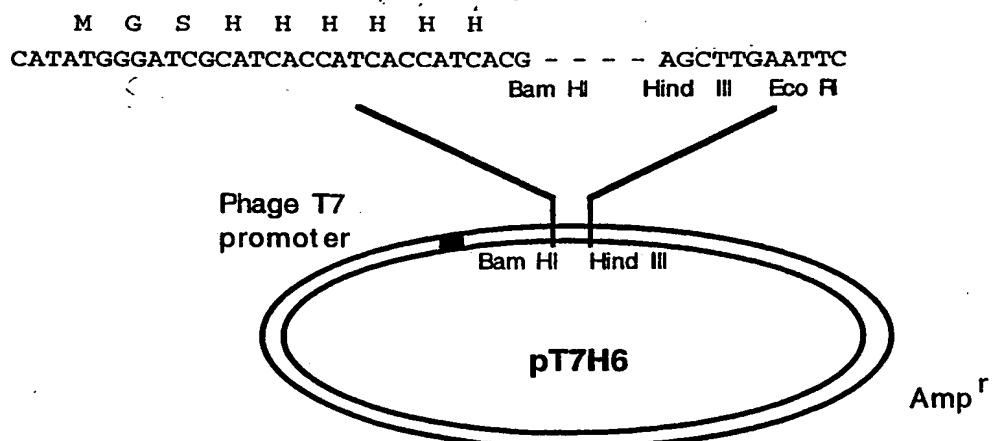


Fig. 7

8/21

H6FXTN12 fusion protein

1	M G S H H H H H H G S I E G R G E P P T Q K P K K I V N A K	30
31	K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q	60
61	A L Q T V *	65

H6FXTN23 fusion protein

1	M G S H H H H H H G S I Q G R V V N T K M F E E L K S R L D	30
31	T L A Q E V A L L K E Q Q A L Q T V C L K G T K V H M K C F	60
61	L A F T Q T K T F H E A S E D C I S R G G T L S T P Q T G S	90
91	E N D A L Y E Y L R Q S V G N E A E I W L G L N D M A A E G	120
121	T W V D M T G A R I A Y K N W E T E I T A Q P D G G K T E N	150
151	C A V L S G A A N G K W F D K R C R D Q L P Y I C Q F G I V	180
181	*	

H6FXTN3 fusion protein

1	M G S H H H H H H G S I E G R A L Q T V C L K G T K V H M K	30
31	C F L A F T Q T K T F H E A S E D C I S R G G T L S T P Q T	60
61	G S E N D A L Y E Y L R Q S V G N E A E I W L G L N D M A A	90
91	E G T W V D M T G A R I A Y K N W E T E I T A Q P D G G K T	120
121	E N C A V L S G A A N G K W F D K R C R D Q L P Y I C Q F G	150
151	I V *	152

Fig. 8

9/21

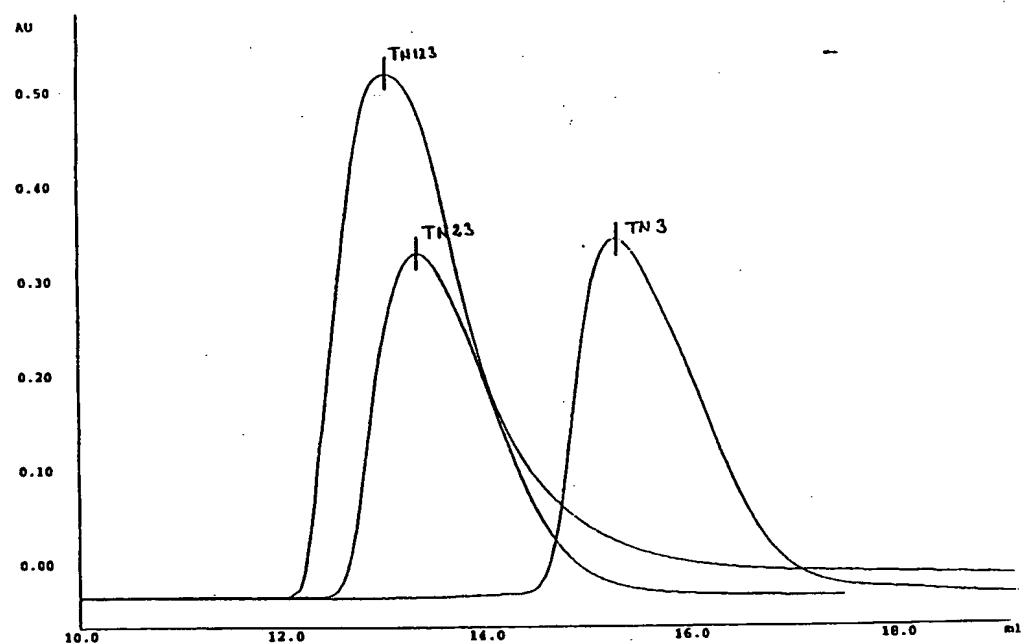


Fig. 9

10/21

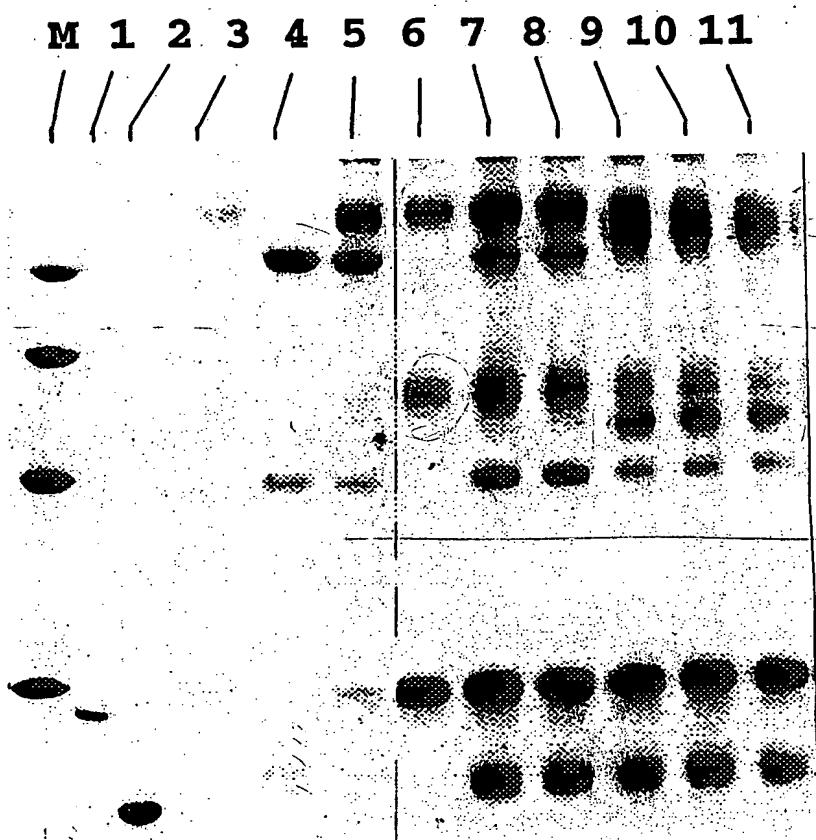


Fig. 10

11/21

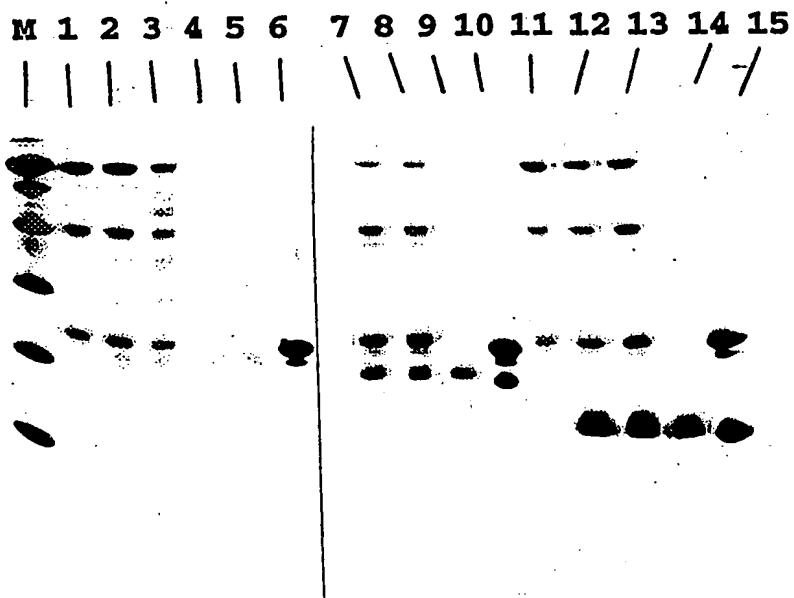


Fig. 11

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WO 98/56906

PCT/DK98/00245

12/21



Fig. 12

13/21

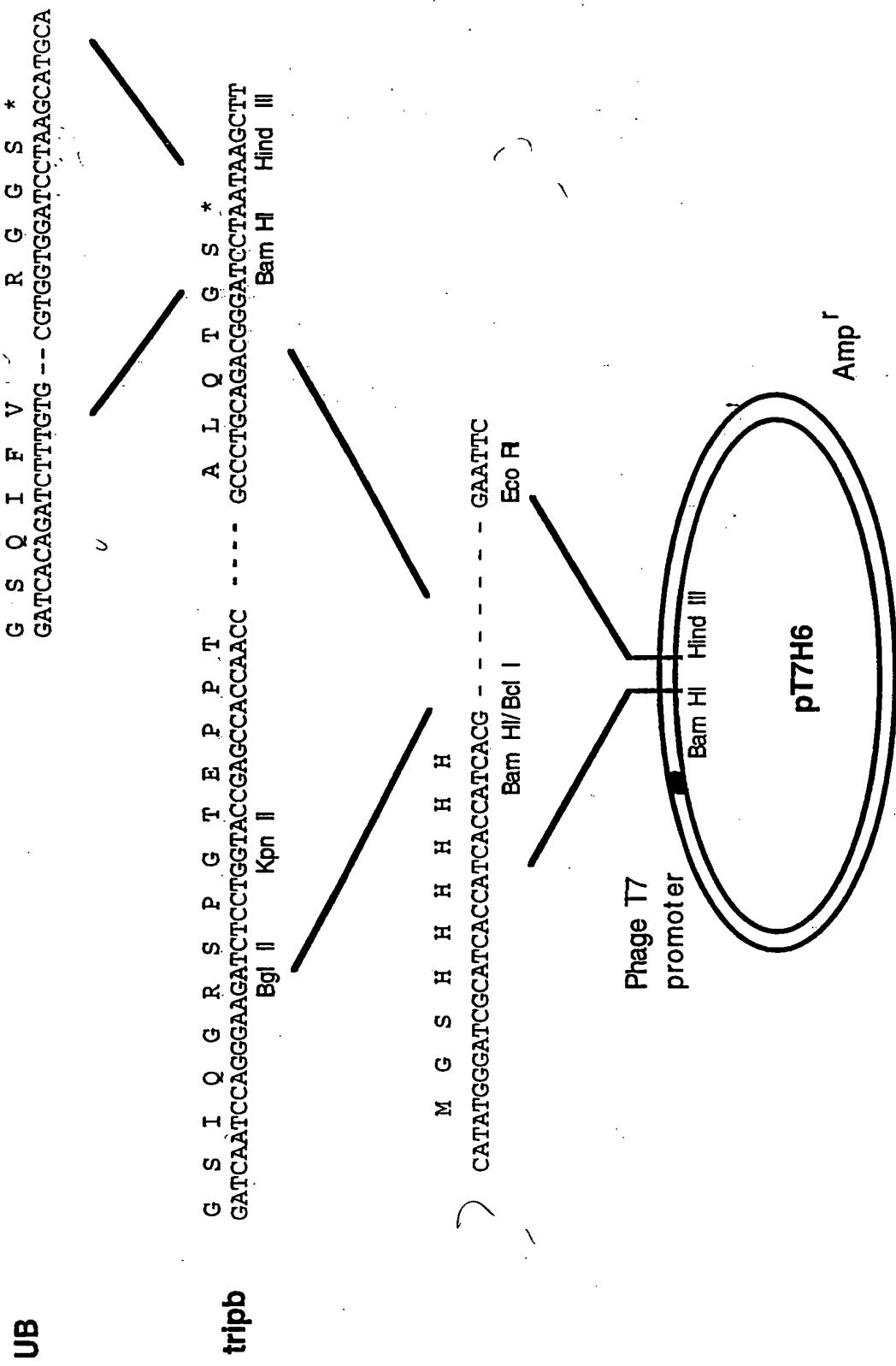


Fig. 13

Fig. 13

14/21

H6FXtripb-UB fusion protein

1 M G S H H H H H G S I Q G R S P G T E P P T Q K P K K I V 30
31 N A K K D V V V N T K M F E E L K S R L D T L A Q E V A L L K 60
61 E Q Q A L Q T G S Q I F V K T L T G K T I T L E V E P S D T 90
91 I E N V K A K I Q D K E G I P P D Q Q R L I F A G K Q L E D 120
121 G R T L S D Y N I Q K E S T L H L V L R L R G G S * 145

Fig. 14

15/21

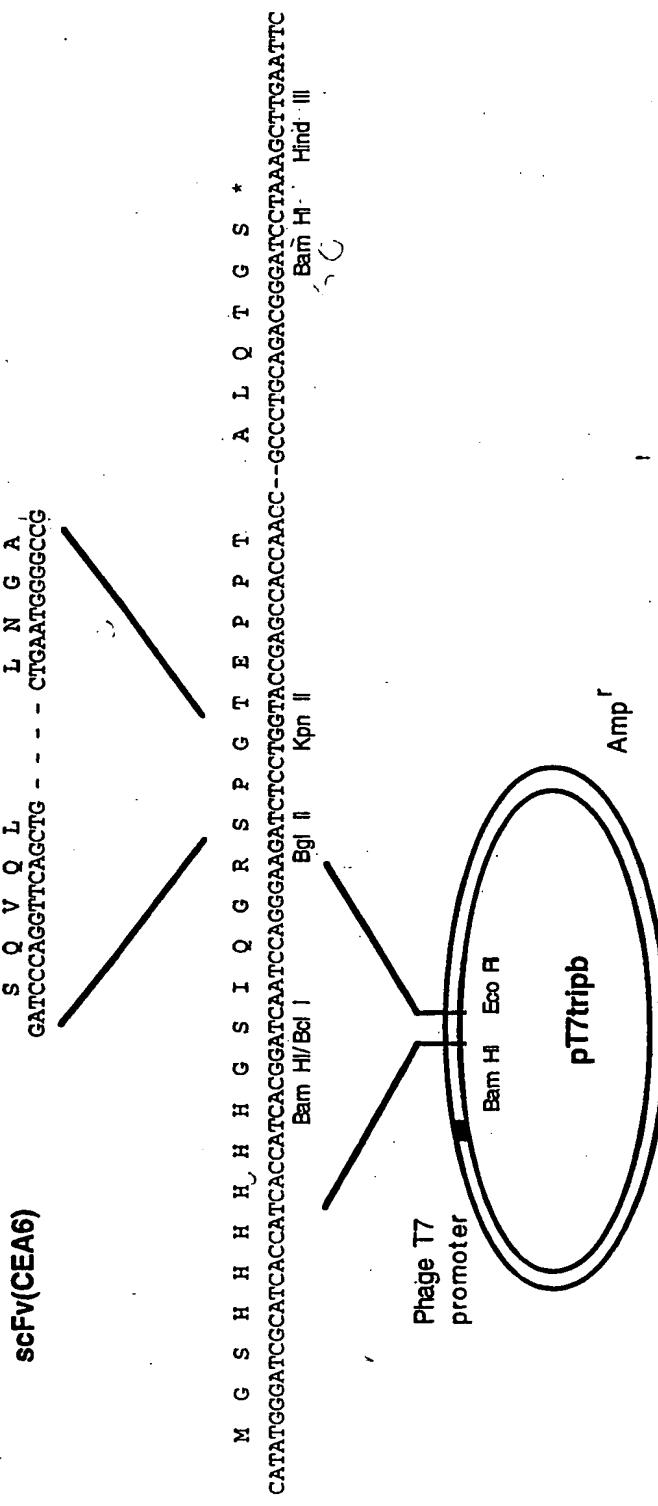


Fig. 15

16/21

H6FXscFv(CEA6)-trpB fusion protein

1 M G S H H H H H G S I Q G R S Q V Q L Q Q S G A E V K K P 30
31 G S S V K V S C K A S G G T F S N S P I N W L R Q A P G Q G 60
61 L E W M G S I I P S F G T A N Y A Q K F Q G R L T I T A D E 90
91 S T S T A Y M E L S S L R S E D T A V Y Y C A G R S H N Y E 120
121 L Y Y Y Y M D V W G Q G T M V T V S S G G G G S G G G G S G 150
151 G G G S D I Q M T Q S P S T L S A S I G D R V T I T C R A S 180
181 E G I Y H W L A W Y Q Q K P G K A P K L L I Y K A S S L A S 210
211 G A P S R F S G S G S G T D F T L T I S S L Q P D D F A T Y 240
241 Y C Q Q Y S N Y P L T F G G G T K L E I K R A A A E Q K L I 270
271 S E E D L N G A G T E P P T Q K P K K I V N A K K D V V N T 300
301 K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T G S 330
331 *

Fig. 16

17/21

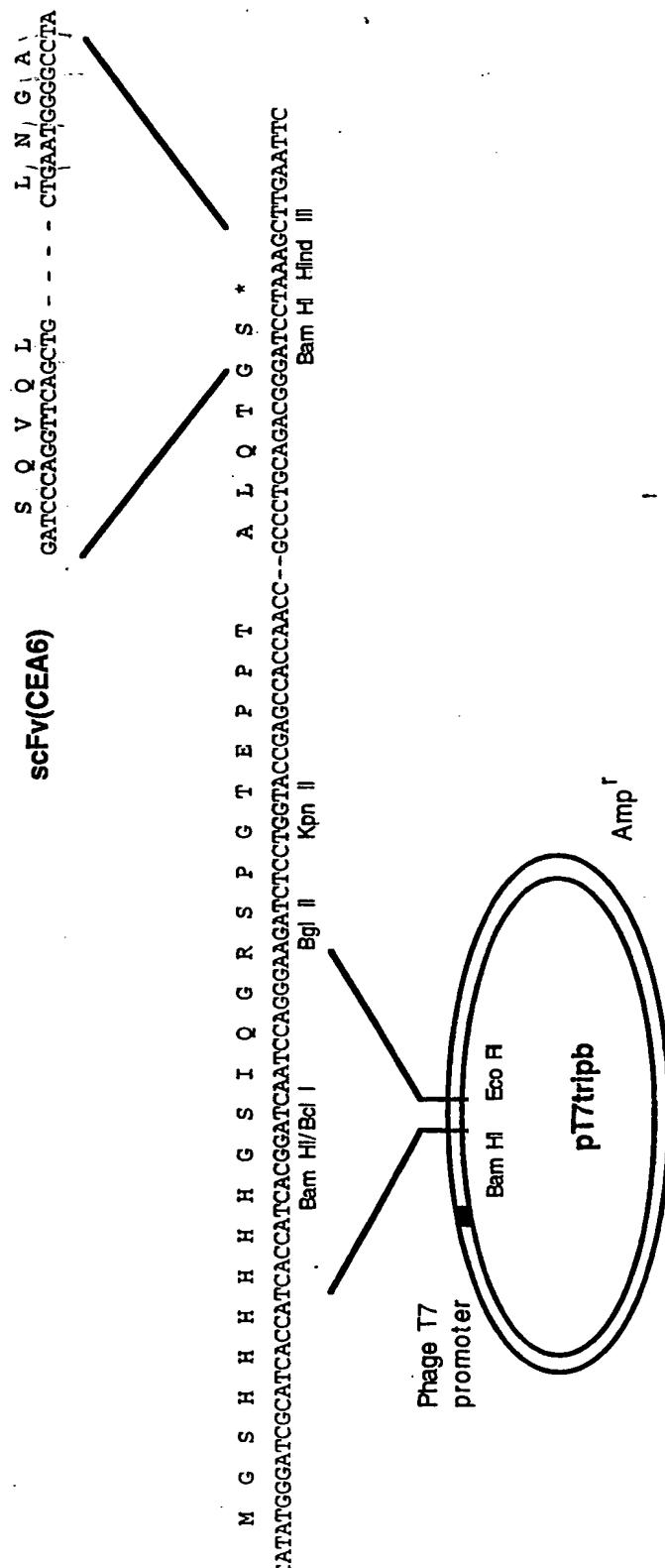


Fig. 17

18/21

H6FXtripb-scFv(CEA6) fusion protein

1 M G S H H H H H G S I Q G R S P G T E P P T Q K P K K I V 30
31 N A K K D V V V N T K M F E E L K S R L D T L A Q E V A L L K 60
61 E Q Q A L Q T G S Q V Q L Q Q S G A E V K K P G S S V K V S 90
91 C K A S G G T F S N S P I N W L R Q A P G Q G L E W M G S I 120
121 I P S F G T A N Y A Q K F Q G R L T I T A D E S T S T A Y M 150
151 E L S S L R S E D T A V Y Y C A G R S H N Y E L Y Y Y Y M D 180
181 V W G Q G T M V T V S S G G G G S G G G G S G G G G S D I Q 210
211 M T Q S P S T L S A S I G D R V T I T C R A S E G I Y H W L 240
241 A W Y Q Q K P G K A P K L L I Y K A S S L A S G A P S R F S 270
271 G S G S G T D F T L T I S S L Q P D D F A T Y Y C Q Q Y S N 300
301 Y P L T F G G G T K L E I K R A A A E Q K L I S E E D L N G 330
331 A *

Fig. 18

19/21

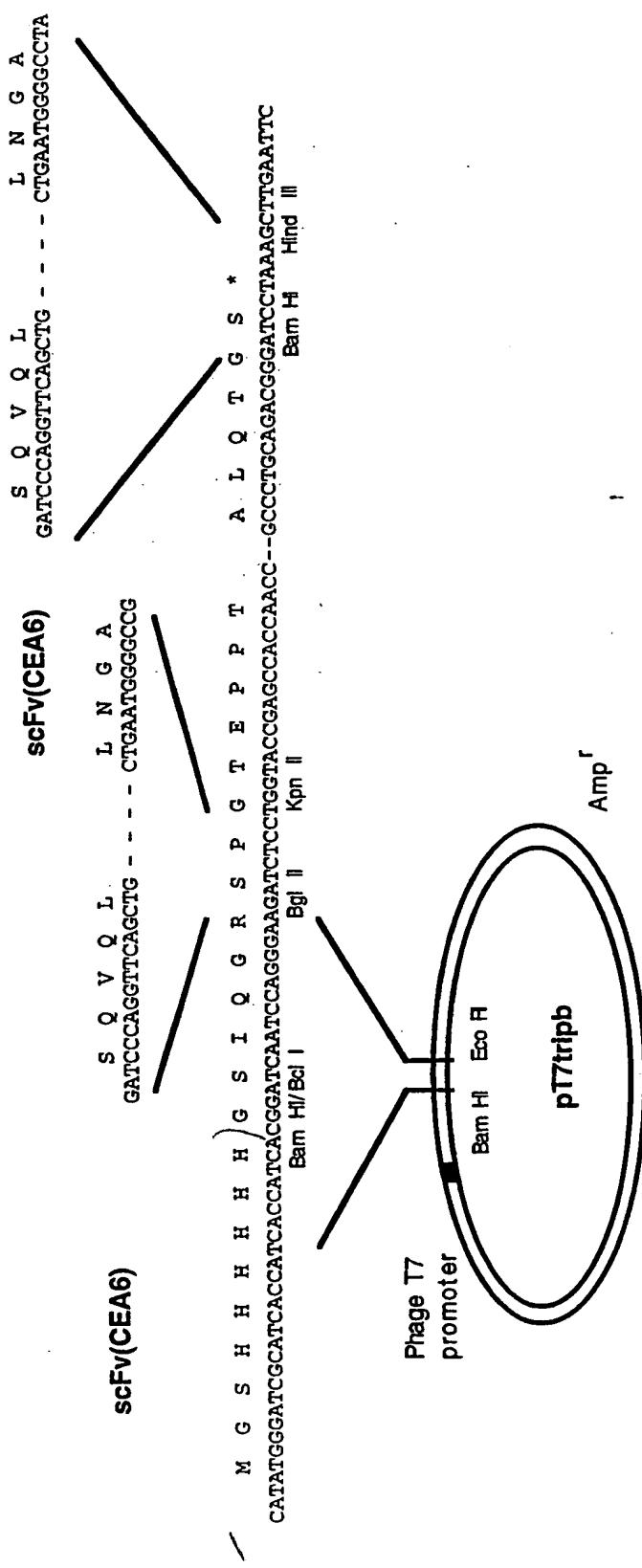


Fig. 19

20/21

H6FXscFv(CEA6)-tripb-scFv(CEA6) fusion protein

1 M G S H H H H H G S I Q G R S Q V Q L Q Q S G A E V K K P 30
31 G S S V K V S C K A S G G T F S N S P I N W L R Q A P G Q G 60
61 L E W M G S I I P S F G T A N Y A Q K F Q G R L T I T A D E 90
91 S T S T A Y M E L S S L R S E D T A V Y Y C A G R S H N Y E 120
121 L Y Y Y Y M D V W G Q G T M V T V S S G G G G S G G G G S G 150
151 G G G S D I Q M T Q S P S T L S A S I G D R V T I T C R A S 180
181 E G I Y H W L A W Y Q Q K P G K A P K L L I Y K A S S L A S 210
211 G A P S R F S G S G S G T D F T L T I S S L Q P D D F A T Y 240
241 Y C Q Q Y S N Y P L T F G G G T K L E I K R A A A E Q K L I 270
271 S E E D L N G A G T E P P T ' Q K P K K I V N A K K D V V N T 300
301 K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T G S 330
331 Q V Q L Q Q S G A E V K K P G S S V K V S C K A S G G T F S 360
361 N S P I N W L R Q A P G Q G L E W M G S I I P S F G T A N Y 390
391 A Q K F Q G R L T I T A D E S T S T A Y M E L S S L R S E D 420
421 T A V Y Y C A G R S H N Y E L Y Y Y Y M D V W G Q G T M V T 450
451 V S S G G G G S G G G G S G G G G S D I Q M T Q S P S T L S 480
481 A S I G D R V T I T C R A S E G I Y H W L A W Y Q Q K P G K 510
511 A P K L L I Y K A S S L A S G A P S R F S G S G S G T D F T 540
541 L T I S S L Q P D D F A T Y Y C Q Q Y S N Y P L T F G G G T 570
571 K L E I K R A A A E Q K L I S E E D L N G A * 592

Fig. 20

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WO 98/56906

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21/21

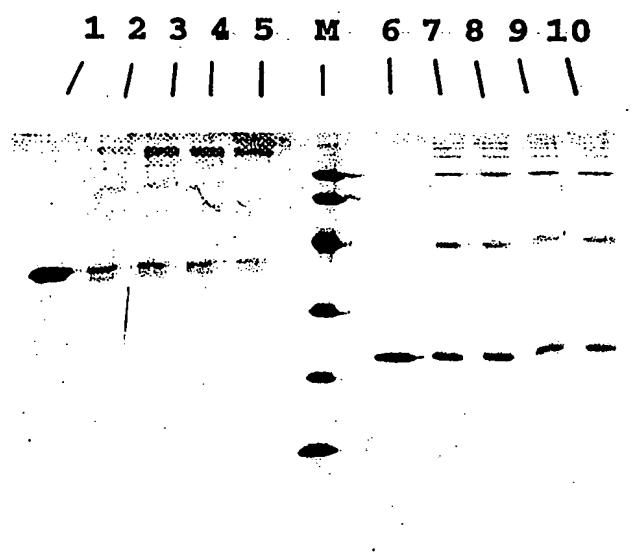


Fig. 21